

PHYS 104 Electricity and Magnetism Spring 2018

Instructor

Dr. Lam Yu, Brockman Hall 240, ext. 2894, lhyu@rice.edu Office Hours: Mon 11:50 – 1:50 and 5:20 – 6:20; Wed. 11:50 – 12:50 and 5:20 – 6:20.

Learning Objectives

This is the discussion portion of the PHYS 102 course. Both PHYS 102 and PHYS 104 serves as an introduction to electricity and magnetism. You will learn about the nature of charge in matter and about the physical interactions between charges as described by Maxwell's Equations. Applications to basic circuit elements in both DC and AC circuits will also be addressed.

Weekly Class Meetings

PHYS 104 will be held either Thursday or Friday according to your assigned section. In these sections the concepts will be discussed in more detail, and problem solving strategies will be illustrated. To get credit for PHYS 102, you must register for PHYS 104 and choose a section that fits your schedule. To reiterate, you must be signed up for both PHYS 102 and PHYS 104, and you must attend your assigned section of PHYS 104.

Grading

You will be divided randomly into small groups of 3 or 4, and each week you will submit a note with your name and your self-reported participation grade before leaving the discussion session. Below is the rubric for how you should assign grade for your participation:

0 point : If you do not attend the entire discussion session or if you do not submit your self-reported participation grade before leaving the discussion session.

1 point : If you attended the entire discussion session.

2 points: If you attended the entire discussion session, and you contributed once either within your own discussion group or during the discussion of the whole class.

3 points: If you attended the entire discussion session, and you contributed more than once either within your own discussion group or during the discussion of the whole class.

If you attended a different PHYS 104 section in a given week, you can email the instructor your self-reported participation grade.

Also, your instructor would like to know what you are thinking about with regard to PHYS102/104 each week. Please share with your instructor at LHYU@RICE.EDU a Google Docs that is titled with your name

and your PHYS104 section number. You will receive 1 point each week if you write something on the online journal before coming to the discussion session. You can write whatever you like as long as it is related to PHYS102/104.

The grade for each PHYS 104 section will be normalized across all sections of PHYS 104 to account for the grading patterns of any particular instructor. PHYS 104 participation will account for 10% of the course grade for PHYS 102.

Make-ups and Excused Days

Make-ups for missed 104 participation will be given at the discretion of the instructor. You can be excused without penalty or be allowed a delayed make-up if one of the following two conditions is met:

1. You are on official university business.
2. You have a serious reason beyond your control, such as your own illness or a death in your family, and you get word to us immediately. As soon as possible, notify your instructor in writing or by e-mail.

Students with Disabilities

Any student with a documented disability seeking academic adjustments or accommodations is requested to speak with the instructors during the first two weeks of class. All such discussions will remain as confidential as possible. Students with disabilities are encouraged to also contact Disability Support Services in the Allen Center (e-mail: adarice@rice.edu, phone: 713-348-5841) during the first two weeks of class so that timely and appropriate arrangements may be made.